AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1.   (original): A method for configurably loading a data object comprising a plurality of hierarchically related entities and information specifying the hierarchical relationship of the entities, comprising the steps of:

for each level of the hierarchy, defining a target location for storing entities of that level and a target location for storing inheritance information for entities of that level;

Receiving as input the hierarchically related entities and the information specifying their hierarchical relationship;

For each entity, determining its hierarchical level from the information, and generating inheritance information for that entity; and

Storing the entity and its inheritance information in their respective target locations.

2.   (original): The method of claim 1, wherein ones of the entities have attributes, each attribute having a value and a first name, further comprising the steps of:

For hierarchical level, defining a target location for storing attributes associated with each entity of that level, and defining a second name in the target location for each first attribute name;

Receiving as input the hierarchically related entities and their associated attributes;

For each entity having an attribute, mapping the first name of the attribute to the second

name of the attribute; and

Storing the attribute in its target location under its second name.

3.   (original): The method of claim 1, wherein the target locations for entities of each

hierarchical level further comprise one of an index class, an auxiliary index class, a table, and a

part.

4.   (original): The method of claim 1, wherein the target location for inheritance information

further comprises one of an index class, an auxiliary index class, a table and a part.

5.   (original): The method of claim 2, wherein the target location for an attribute further

comprises one of an index class, an auxiliary index class, a table and a part.

6.   (original): The method of claim 1, further comprising the step of assigning an identifier to

each entity.

7.   (original): The method of claim 6, further comprising the step of storing the inheritance

information of each entity with the identifier of that entity in its target location.

8.   (original): The method of claim 1, wherein the inheritance information of an entity is

stored in the same target location as the entity itself.

9.   (original): The method of claim 2, further comprising the step of assigning an identifier to

each entity.

10.   (original): The method of claim 9, further comprising the step of storing each attribute of

an entity with the identifier of that entity in the attribute target location.

11.   (original): The method of claim 2, wherein the attribute information of an entity is stored

in the same target location as the entity itself.

12.   (original): The method of claim 1, wherein the inheritance information further comprises

one or more of a parent entity identifier, a child entity identifier, a sibling identifier, and an

auxiliary index class row identifier.

13.   (currently amended): The method of claim 1, wherein the ~~entity~~ data object further

comprises an outline defining the order and structure of its entities.

14.   (original): The method of claim 1, wherein the relationship information further comprises

container labels.

15.   (original): The method of claim 13, wherein the relationship information further

comprises the degree of indentation of an entity in the outline, all entities of a same hierarchical

level having a same degree of indentation.

16.   (original): A program storage device readable by a machine, tangibly embodying a

program of instructions executable by the machine to perform method steps for configurably

loading a data object comprising a plurality of hierarchically related entities and information

specifying the hierarchical relationship of the entities, comprising the steps of:

for each level of the hierarchy, defining a target location for storing entities of that level

and a target location for storing inheritance information for entities of that level;

Receiving as input the hierarchically related entities and the information specifying their

hierarchical relationship;

For each entity, determining its hierarchical level from the information, and generating

inheritance information for that entity; and

Storing the entity and its inheritance information in their respective target locations.

17.   (original): The method of claim 16, wherein ones of the entities have attributes, each

attribute having a value and a first name, further comprising the steps of:

For hierarchical level, defining a target location for storing attributes associated with each entity of that level, and defining a second name in the target location for each first attribute name;

Receiving as input the hierarchically related entities and their associated attributes;

For each entity having an attribute, mapping the first name of the attribute to the second name of the attribute; and

Storing the attribute in its target location under its second name.

18.   (original): The method of claim 16, wherein the target locations for entities of each hierarchical level further comprise one of an index class, an auxiliary index class, a table, and a part.

19.   (original): The method of claim 16, wherein the target location for inheritance information further comprises one of an index class, an auxiliary index class, a table and a part.

20.   (original): The method of claim 17, wherein the target location for an attribute further comprises one of an index class, an auxiliary index class, a table and a part.

21.   (original): The method of claim 16, further comprising the step of assigning an identifier to each entity.

22.   (original): The method of claim 16, further comprising the step of storing the inheritance

information of each entity with the identifier of that entity in its target location.

23.   (original): The method of claim 16, wherein the inheritance information of an entity is

stored in the same target location as the entity itself.

24.   (original): The method of claim 17, further comprising the step of assigning an identifier

to each entity.

25.   (original): The method of claim 24, further comprising the step of storing each attribute

of an entity with the identifier of that entity in the attribute target location.

26.   (original): The method of claim 17, wherein the attribute information of an entity is

stored in the same target location as the entity itself.

27.   (original): The method of claim 16, wherein the inheritance information further

comprises one or more of a parent entity identifier, a child entity identifier, a sibling identifier,

and an auxiliary index class row identifier.

28.   (currently amended): The method of claim 16, wherein the ~~entity~~ data object further

comprises an outline defining the order and structure of its entities.

29.   (original): The method of claim 16, wherein the relationship information further

comprises container

labels.

30.   (previously presented): The method of claim 28, wherein the relationship information

further comprises the degree of indentation of an entity in the outline, all entities of a same

hierarchical level having a same degree of indentation.

31.   (original): A system for configurably loading a data object comprising a plurality of

hierarchically related entities and information specifying the hierarchical relationship of the

entities, comprising:

Means for defining, for entities at each level of the hierarchy, a target location in a data

repository for storing entities of that level and a target location for storing inheritance

information for entities of that level;

input means for receiving the hierarchically related entities and the information

specifying their hierarchical relationship;

Means for determining the hierarchical level of each entity received from the

information, and generating inheritance information for that entity; and

Means for storing the entity and its inheritance information in their respective, target

locations.

32.   (original): The system of claim 31, wherein ones of the entities have attributes, each attribute having a value and a first name, further comprising:

Means for defining, for each hierarchical level, a target location for storing attributes associated with each entity of that level, and means for defining a second name in the target location for each first attribute name;

Input means for receiving the hierarchically related entities and their associated attributes;

Means for mapping the first name of each attribute received for an entity to the second name of the attribute; and

Means for storing the attribute in its target location under its second name.

33.   (original): The system of claim 31, wherein the target locations for entities of each hierarchical level further comprise one of an index class, an auxiliary index class, a table, and a part.

34.   (original): The system of claim 31, wherein the target location for inheritance information further comprises one of an index class, an auxiliary index class, a table and a part.

35.   (original): The system of claim 32, wherein the target location for an attribute further comprises one of an index class, an auxiliary index class, a table and a part.

36.   (original): The system of claim 31, further comprising means for assigning an identifier

to each entity.

37.   (original): The system of claim 36, further comprising means for storing the inheritance

information of each entity with the identifier of that entity in its target location.

38.   (original): The system of claim 31, wherein the inheritance information of an entity is

stored in the same target location as the entity itself.

39.   (original): The system of claim 32, further comprising means for assigning an identifier

to each entity.

40.   (original): The system of claim 39, further comprising means for storing each attribute of

an entity with the identifier of that entity in the attribute target location.

41.   (original): The system of claim 32, wherein the attribute information of an entity is stored

in the same target location as the entity itself.

42.   (original): The system of claim 31, wherein the inheritance information further comprises one or more of a parent entity identifier, a child entity identifier, a sibling identifier, and an auxiliary index class row identifier.

43.   (currently amended): The system of claim 31, wherein the ~~entity~~ data object further comprises an outline defining the order and structure of its entities.

44.   (original): The system of claim 31, wherein the relationship information further comprises container labels.

45.   (original): The system of claim 43, wherein the relationship information further comprises the degree of indentation of an entity in the outline, all entities of a same hierarchical level having a same degree of indentation.

REMARKS

A Notice of Allowance and Fee(s) Due dated September 22, 2003 has been received for the above-identified application. Therein, the Examiner provides an Examiner's Amendment wherein claims 13, 28, 30 and 43 are amended. Applicants' representatives in a telephone call with the Examiner on September 8, 2003, authorized the Examiner to amend these claims to correct antecedent basis issues. However, the amendments in the Examiner's Amendment do not correspond to the amendments authorized by Applicant's representatives.

In particular, while the amendments to claim 30 correspond with the authorization provided by Applicants' representatives via telephone on September 8, 2003, the amendments to claims 13, 28 and 43 do not.

Applicants' representative informed the Examiner that these amendments were incorrect via telephone on September 30, 2003. During this conversation, the Examiner invited Applicants to file an Amendment Under 37 C.F.R. § 1.132 to correct the errors introduced into claims 13, 28 and 43 because of the Examiner's Amendment.

Accordingly, Applicants herein amend claim 13 to recite that "the data object further comprises an outline defining the order and structure of its entities". Claims 28 and 43 are amended in a similar fashion. It is respectfully submitted that these amendments correct the antecedent basis issues that were originally raised by the Examiner.

The changes being made are simply editorial in nature and no question of new matter or questions of further search arise.

AMENDMENT UNDER 37 C.F.R. §1.312
U.S. Application No. 09/489,561
Attorney Docket No. A8522 / STL000025US1

Furthermore, it is respectfully submitted that no further recordation with respect to the

telephone conversations dated September 8, 2003 and September 30, 2003 between the Examiner

and Applicants' representatives is believed to be required.

In view of the above, entry and consideration of this Amendment are respectfully

requested. If any points remain in issue which the Examiner feels may be best resolved through

a personal or telephone interview, the Examiner is kindly requested to contact the undersigned

attorney at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue

Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any

overpayments to said Deposit Account.

Respectfully submitted,

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